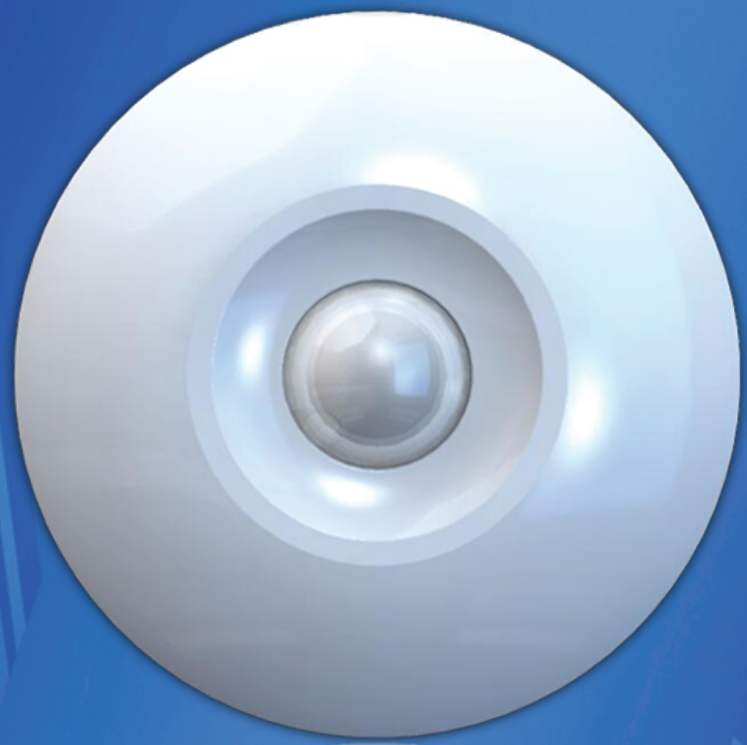
SmartHome®
The high class house !



MANUAL BOOK

SMART LIGHTING DEVICE

Model: SH - D2

SmartHome technology development investment company limited

www.smarthome.com.vn

Mfr Code: 893604393 HDD2

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HDD2 0212 V2.0

SMART LIGHTING DEVICE

Model: SH - D2

The high class house !

Thank you for choosing smart lighting device SH-D2 of SmartHome. For selecting SmartHome's products, you will enjoy the best warranty services and installation support from our technical experts.

This document contains useful information during installation process and product usage. Please read the instructions carefully and retain the manual in case of need.

Warning

Electric shock may cause injuries or death. Before installing, repairing or cleaning the device, you should check whether the device's power is disconnected.

You should request support from technical experts or Customer Contact Center to avoid electric related accidents.

You should comply with environmental regulations when discarding or recycling the device or its packing materials.

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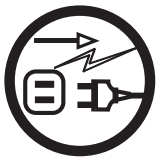
Safety Information



Do not use power source which is different from the one stated in the specifications of the device.

Disconnect its power prior to installing, disassembling or repairing the device.

Do not store the device in high-temperature environ-

Do not disassemble the device if not necessary.

Do not clean the device with corrosive chemicals.

Warning

Comply with the safety information during the device's usage.

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Introduction

General introduction

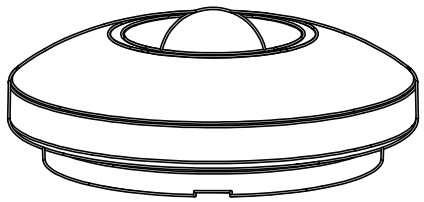
Smart lighting device operates using infrared temperature sensing technology. When users are in the sensor area, the light will automatically turn on. The device is integrated with the light sensor and the ability to flexibly adjust the pending time to turn off the light when users leave the sensor area. The product's smart feature brings comfort, power saving and absolute safety to its users.

The device is suitable for:

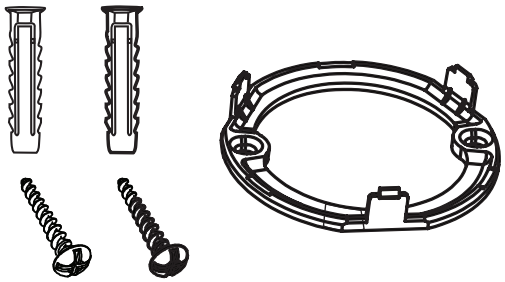
- Office, smart house.
- Living room, bed room, kitchen, dining room.
- Restroom, stair, corridor, courtyard, garage, stockroom.

Product package

Manual book

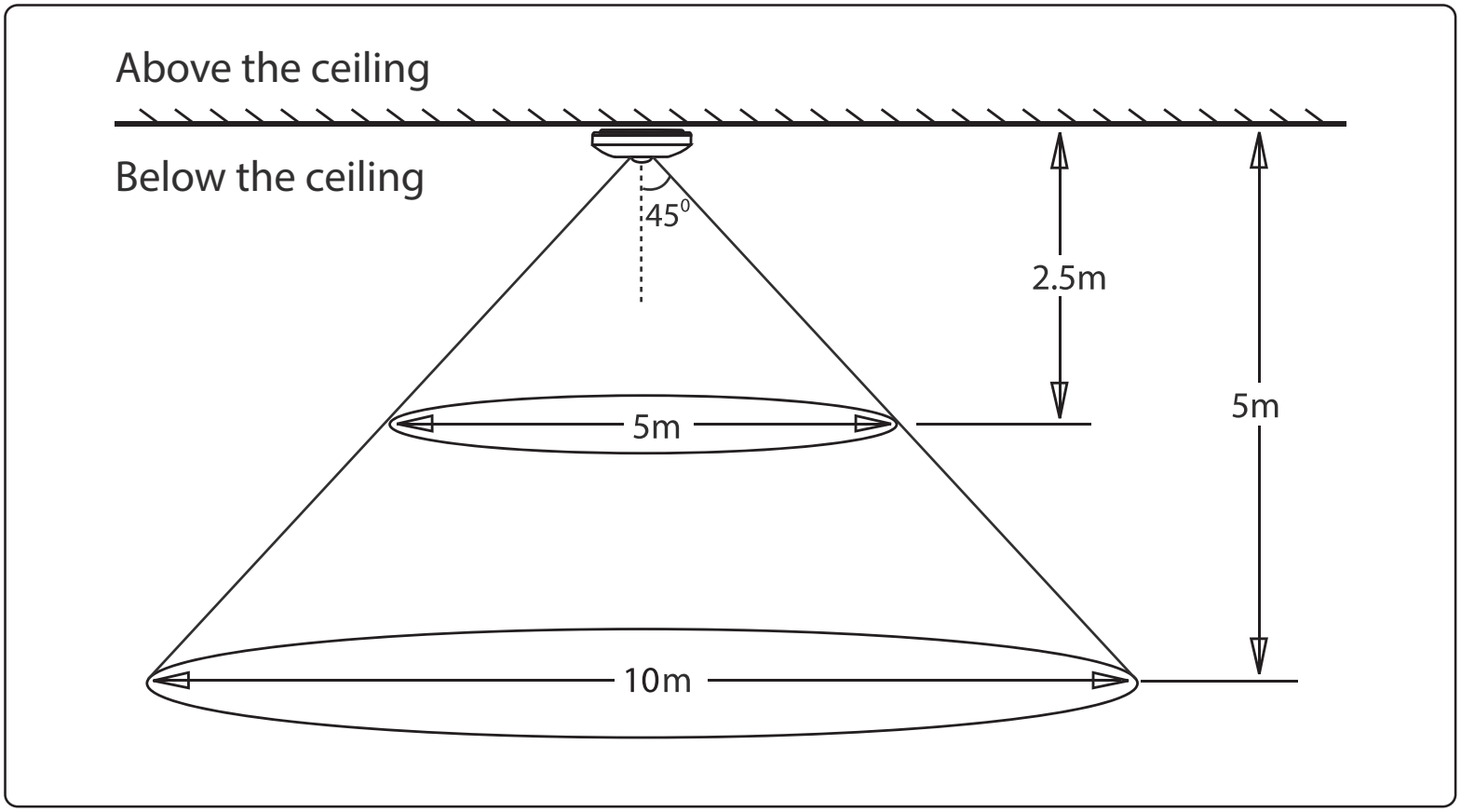


SH – D2



Sets of ceiling hook, screws and anchors

Sensor area



Notice

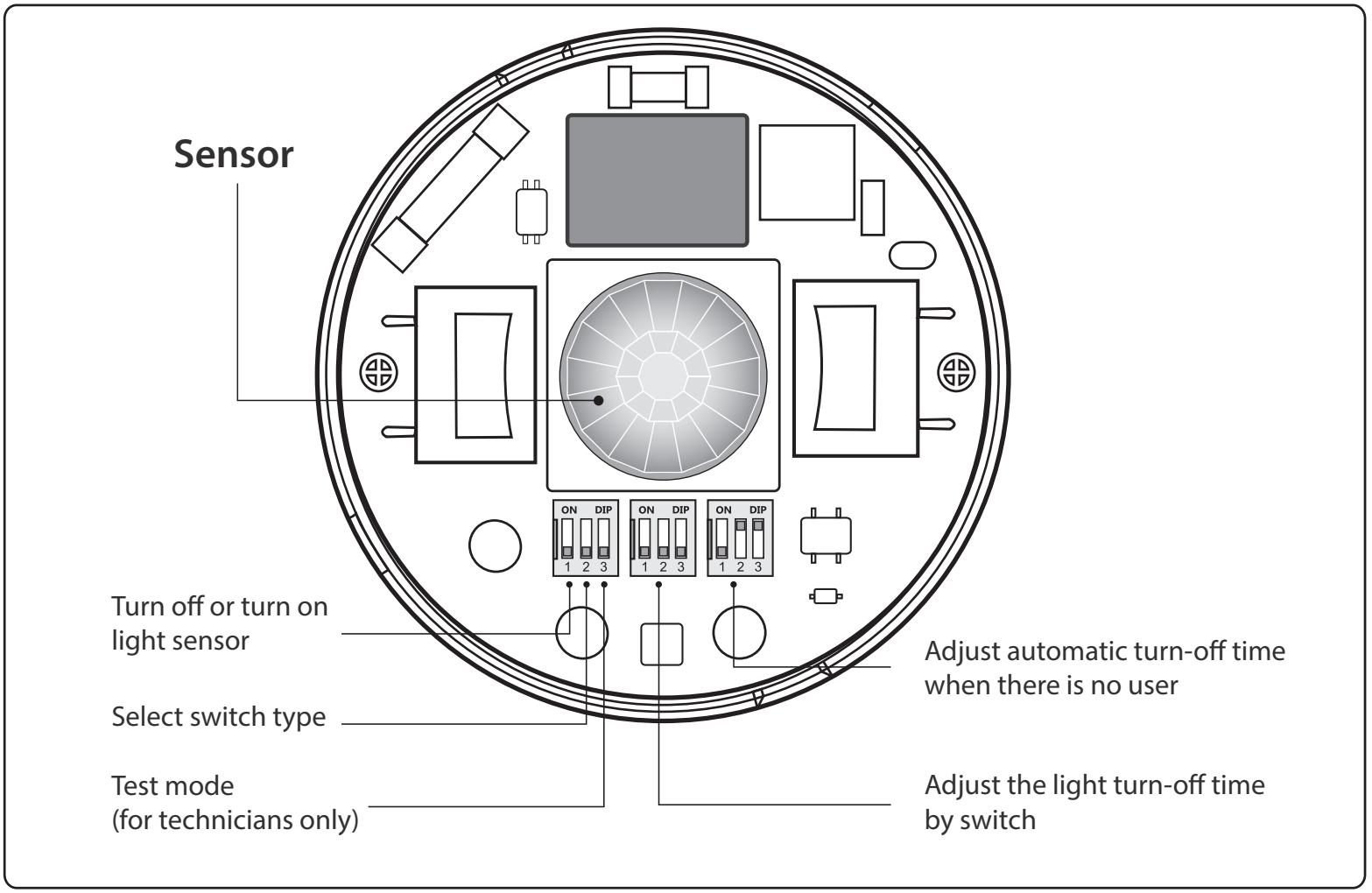
The above dimensions are the best for the device's detection ability to detect users moving into its sensor area. In case the device fails to detect users, please contact our Customer Contact Center.

Specifications

Voltage	220VAC - 50/60Hz
Load power	Incandescent lamp - maximum 1000W
	Fluorescent lamp - maximum 350W
Sensor range	Maximum 5m
Applicable sensor area	Maximum 20m2
Light sensor mode	Light sensor mode
Operation temperature	0ºC - 50ºC
Dimensions (D X H)	90 x 90 x 38mm
Weight	90 gram

Features

Components



1. Smart lighting.

The smart lighting device automatically turns on upon detecting people in sensor area. When users leave the sensor area, the device will turn off after a preset period. The preset period for turning off can be set from 10 seconds to 60 minutes by switch S201.

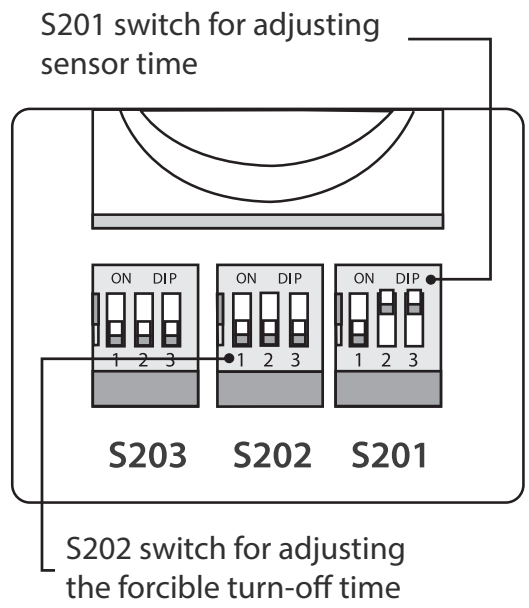
Notice

If preset time is too short, high switching frequency will shorten the life of fluorescent lamps, compacts.

Forcible lighting

The device can be connected to switch to adjust lighting modes according for users' diversity needs.

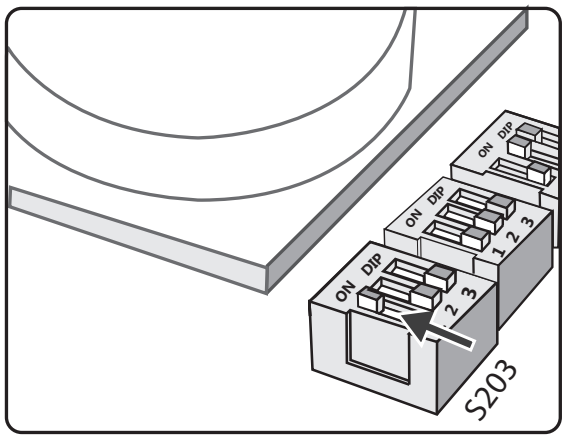
Turn off the light: When the light is on, using switch to turn off the light, the light will be off for a preset amount of time. After the period, the device will automatically turn on the light upon detecting a user's presence. The turn-off time is set by S202.



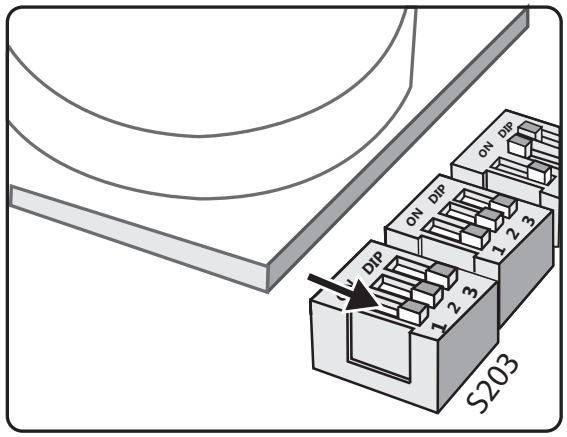
- **Turn on the light:** When the light is off, using switch to turn on the light, the device will turn on and automatically turn off the light when users get out of the sensor area after the automatic turn-off time (refer to time setting on page 14).
- **Continuous lighting mode:** Switch on and off 3 times consecutively in 2 seconds (or press and hold the button for more than 3 seconds), the light will be continuously on. If users would like to turn off the light, use the switch to turn off.

3. Light sensor

Light sensor helps the device's operation to be smarter and more power-saving. When using light sensor mode, the device automatically turns on only when actual light condition is darker than the preset one. Enable or disable this mode by S203 switch is shown as follow:



Not using light sensor



Using light sensor

4. Adjust preferred light level

For the preferred light level setting, please take the following steps:

- Wait for the environment light to reach the preferred level to turn on the light.
- Switch on and off 5 times consecutively in 3 seconds (or hold the press for more than 10 seconds) so that the device records the new reference light level.

The device is set up with default preferred light level setting. However, users can set up the parameter again if the default setting is not suitable.

5. Indicator light

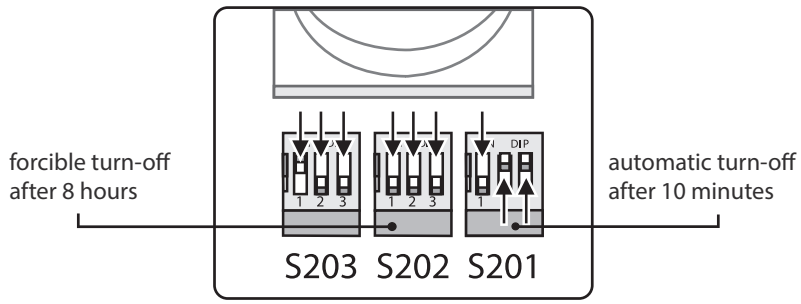
Indicator light is used to inform the device's status.

- **If indicator light flashes every 0.5 seconds when users are in sensor area:** The device is operating in automatic lighting mode.
- **If the indicator light is continuously on:** The device is in continuous lighting mode.
- **If the indicator light is off:** the device is turned off by switch or there is no user in its sensor area.
- **If the indicator light flashes every 1-second:** the device is booting.

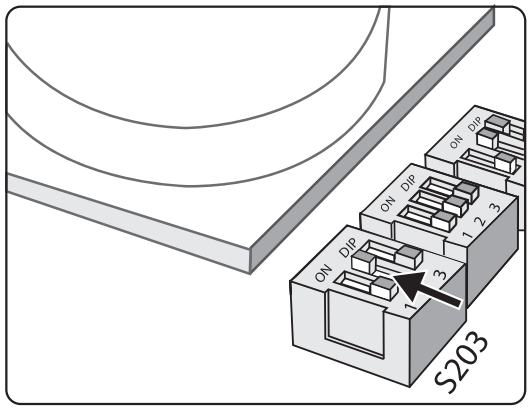
Installation

1. Device's default settings.

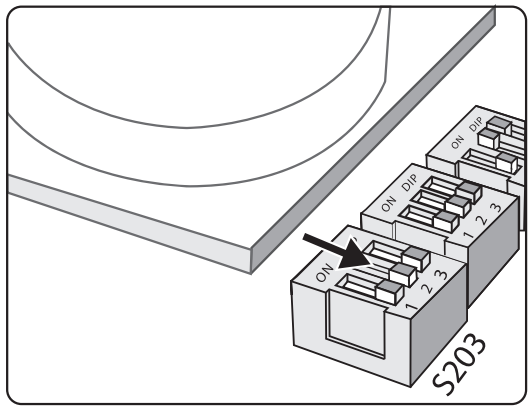
Mode	Default value	Actual settings
Light sensor	Off	
Forcible turn-off	8 hours	
Automatic turn-on	10 minutes	
Switch type	Ordinary switch	



2. Switch mode setting (adjusting switch S203).

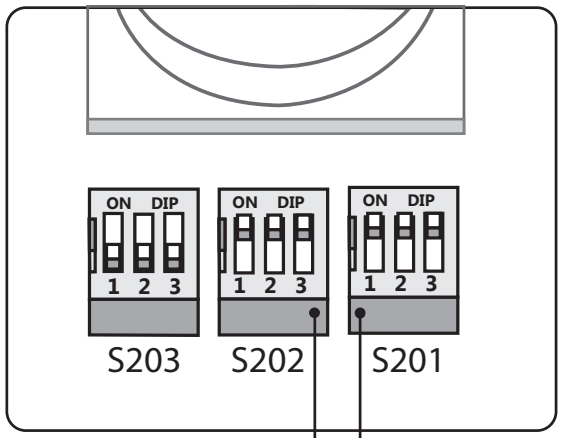


Using pressing switch mode



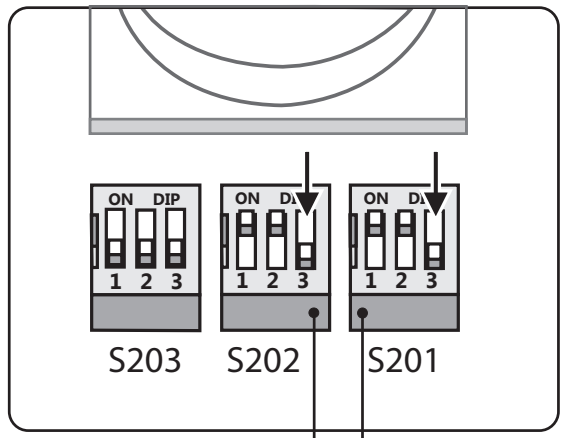
Using normal switch (default)

3. Light time Setting.



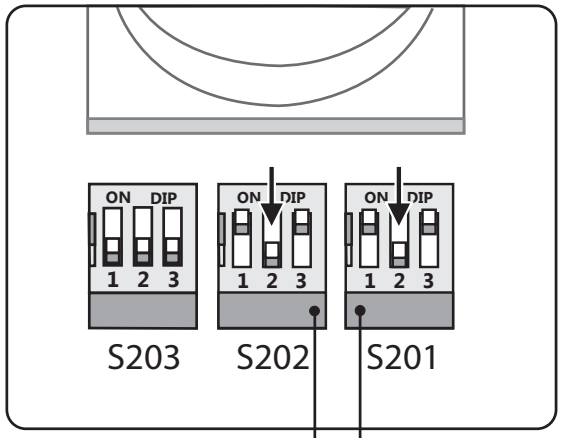
Forcible light turn-off
30 minutes

Automatic light turn-on
after 10 seconds



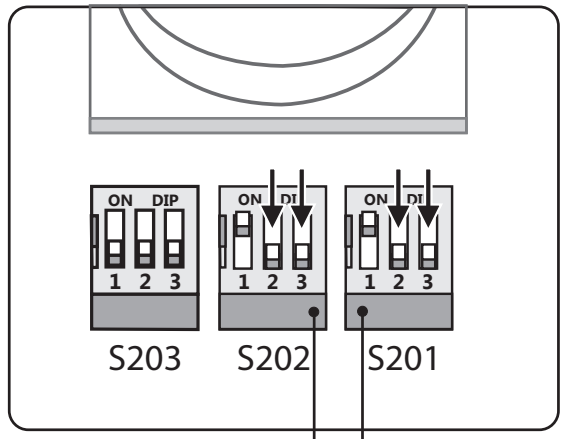
Forcible light turn-off
45 minutes

Automatic light turn-on
after 60 seconds



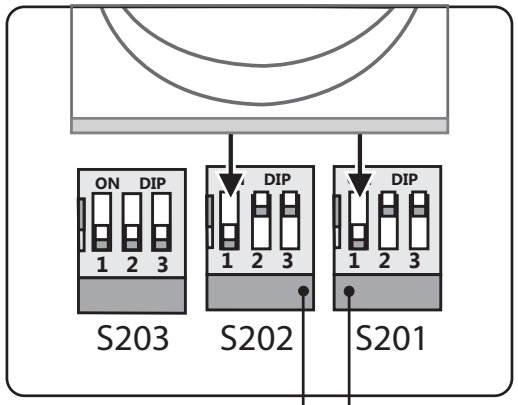
Forcible light turn-off
60 minutes

Automatic light turn-on
after 3 minutes



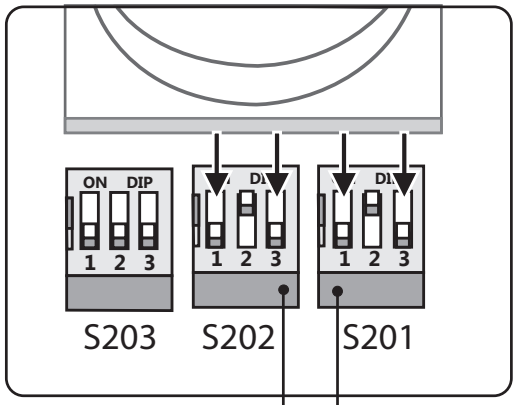
Forcible light turn-off
90 minutes

Automatic light turn-on
after 5 minutes



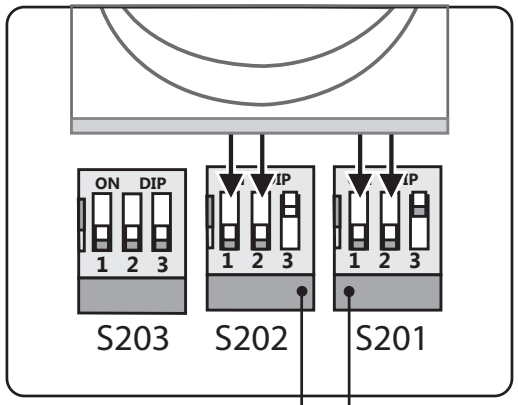
Forcible light turn-off
2 hours

Automatic light turn-on
after 10 minutes



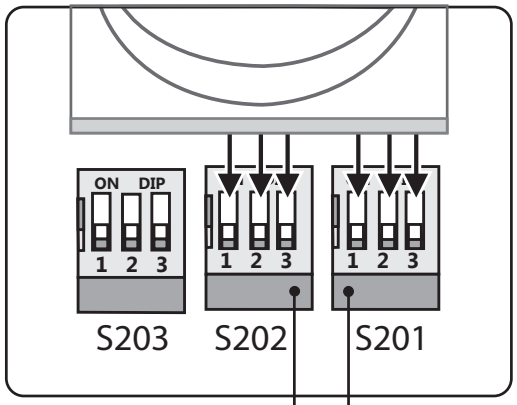
Forcible light turn-off
4 hours

Automatic light turn-on
after 15 minutes



Forcible light turn-off
6 hours

Automatic light turn-on
after 30 minutes



Forcible light turn-off
8 hours

Automatic light turn-on
after 60 minutes

Notice

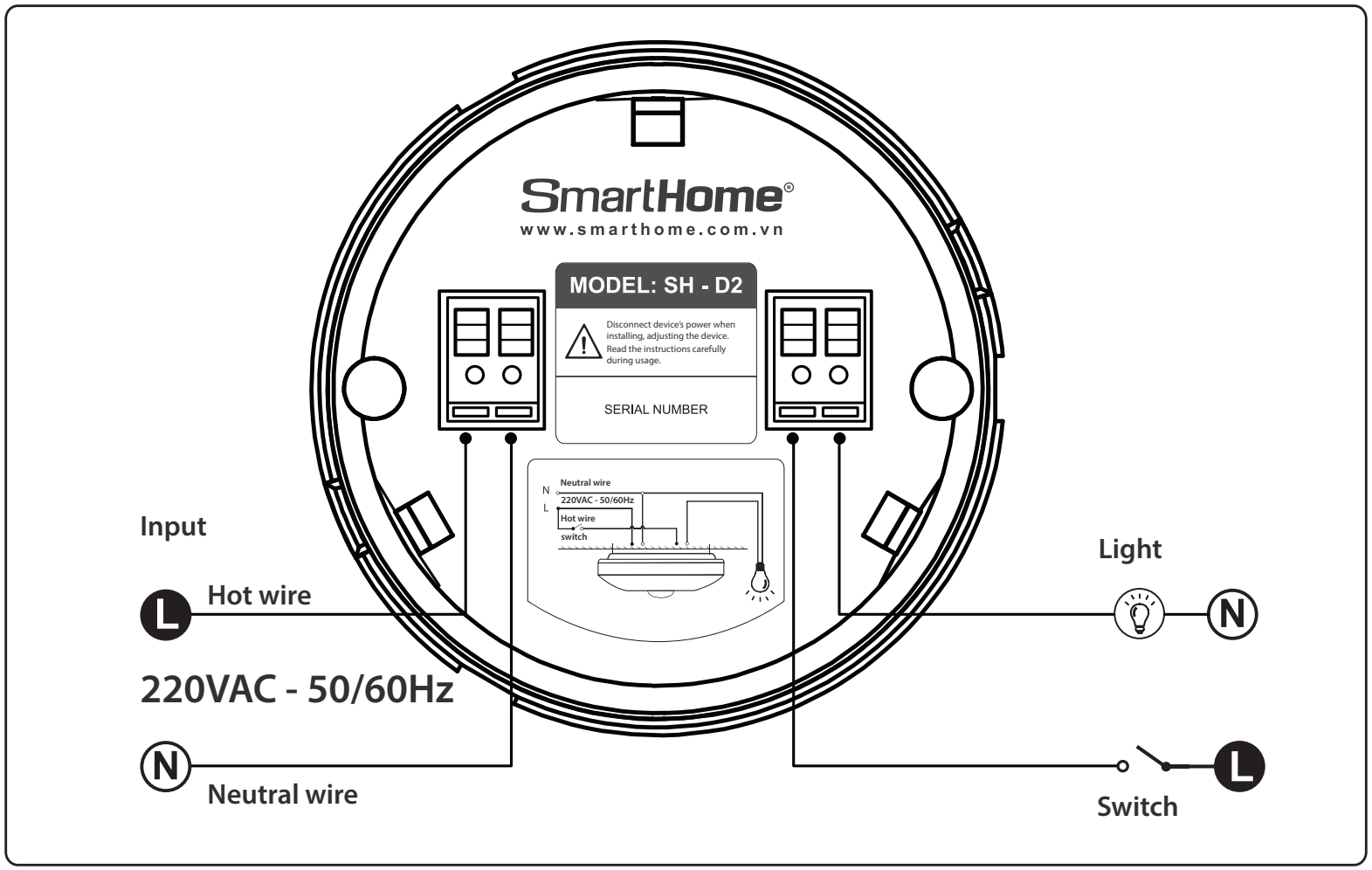
Adjusting the forcible light turn-off time (S202) does not affect the automatic light turn-on time (S201) and vice versa.

(*) Difference between normal switch and pressing switch.

- **Normal switch:** is the type of switch mounted on electric panel to turn on and off the light. Its status does not change after interactions of switching.
- **Pressing switch:** is the type of button commonly used with doorbell. It will automatically revert to its previous status after interactions of switching.

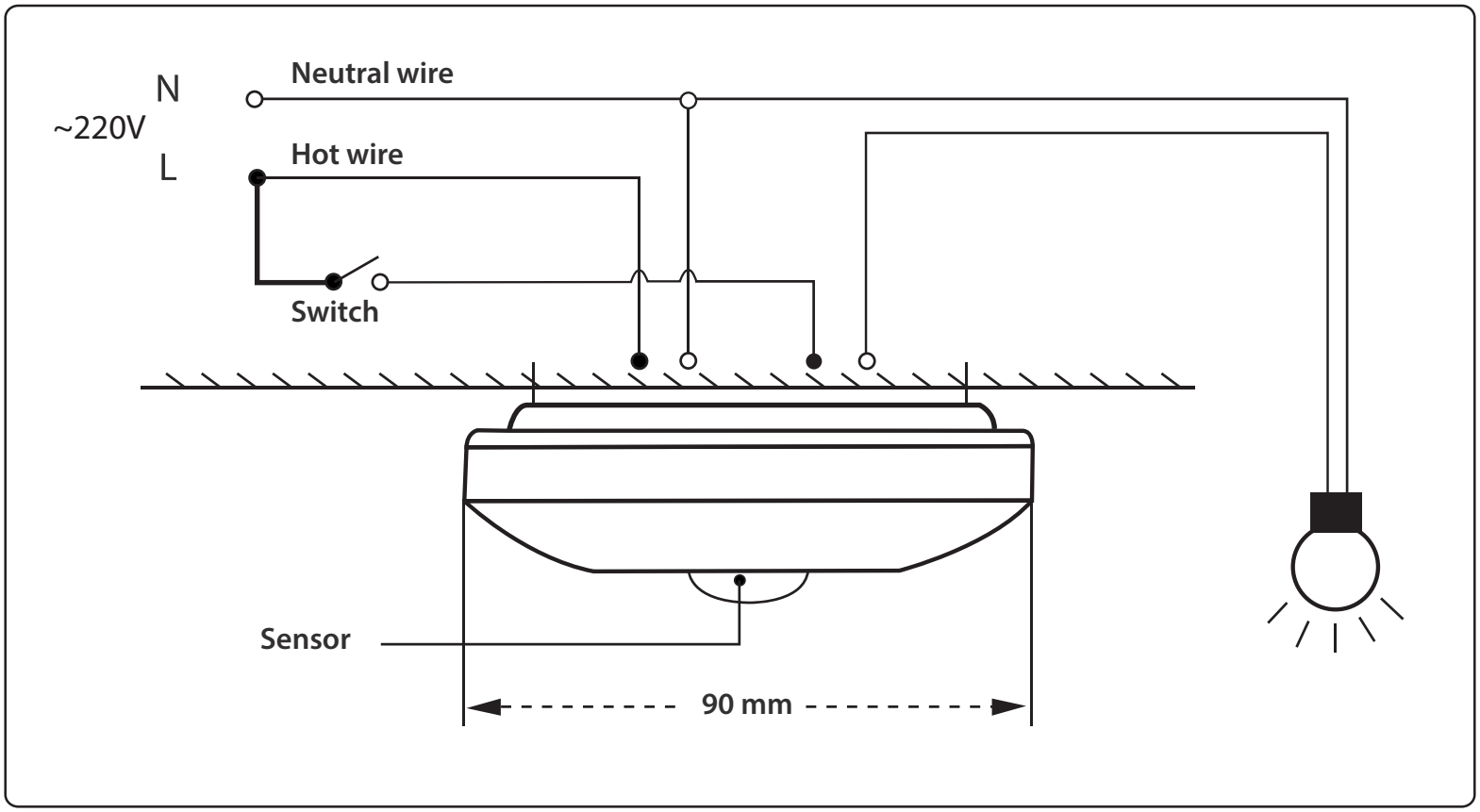
Installation

The back of the device



1. Connection Scheme

Connection diagram with switch.



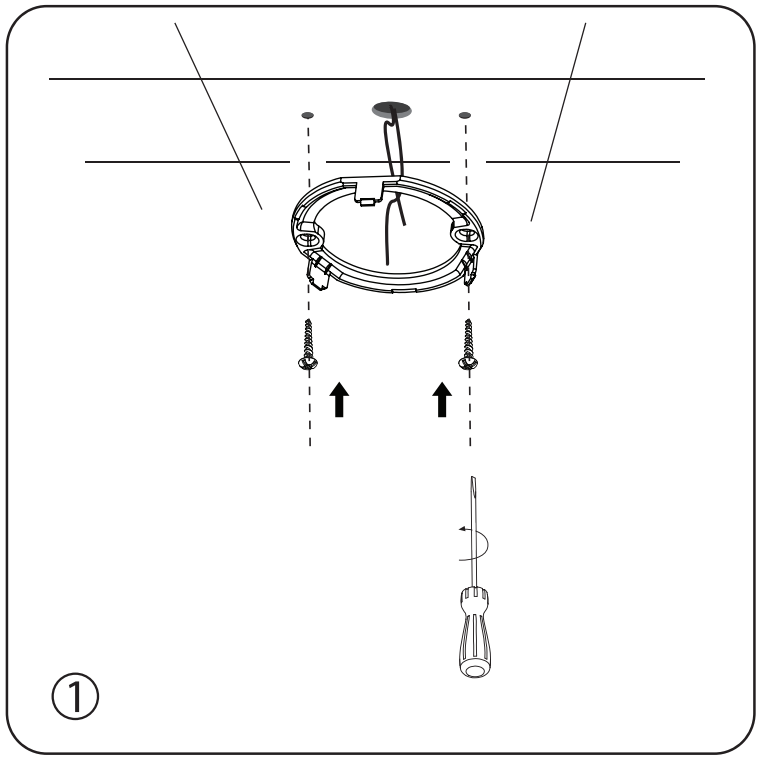
Notice

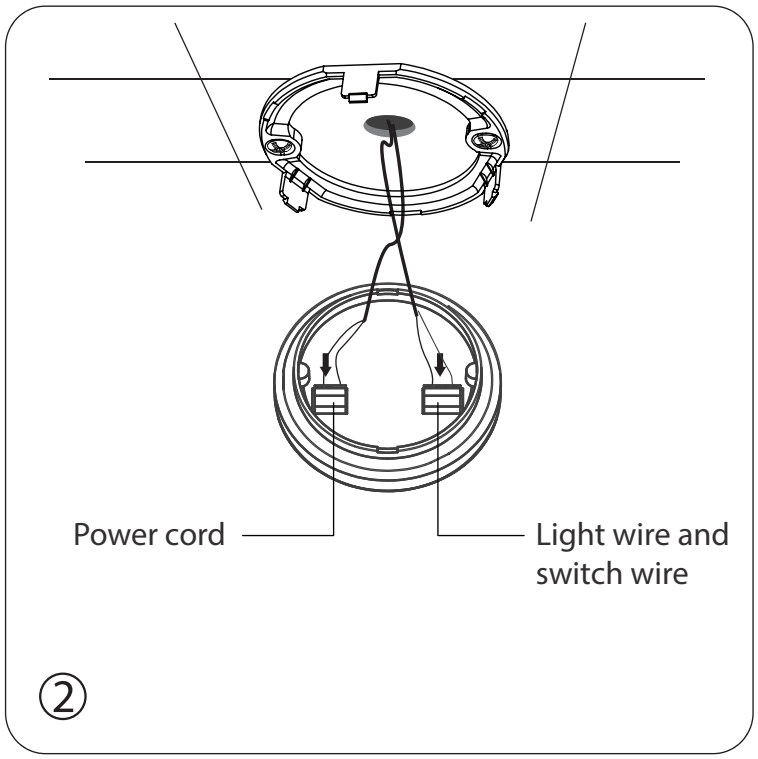
The light can be replaced by other indicator devices based on users' demand (bell, fan, alarm device etc.).

Installation steps

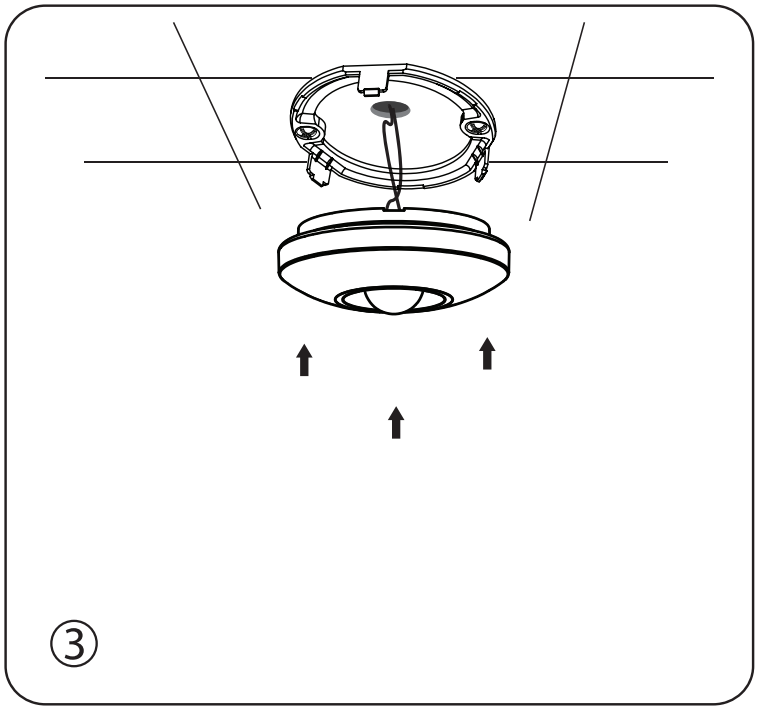
Step 1: Drill two screw holes to mount the hook onto the ceiling. (Notice: avoid underground wire upon drilling as in Figure 1).

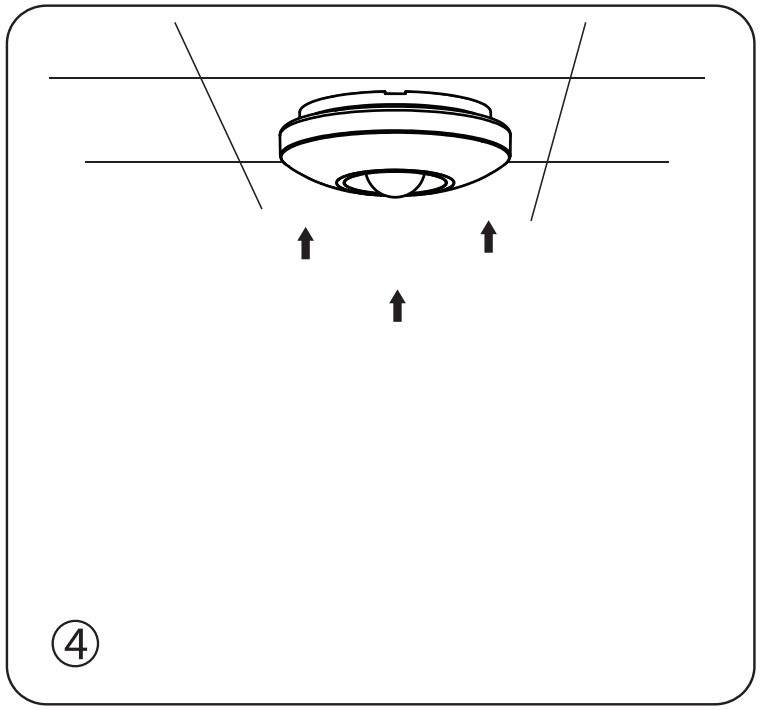
Step 2: Connect the supply cord, light wire and switch wire to corresponding power connector, light, switch of the device (Figure 2).





Step 3: Mount the device to the hook to fix it onto the ceiling (Figure 3&4).





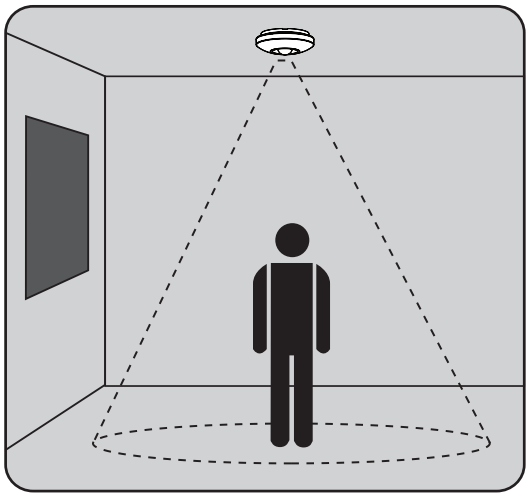
Warning

All wires/cords mentioned in Step 2 should be connected properly to avoid damage to the device.

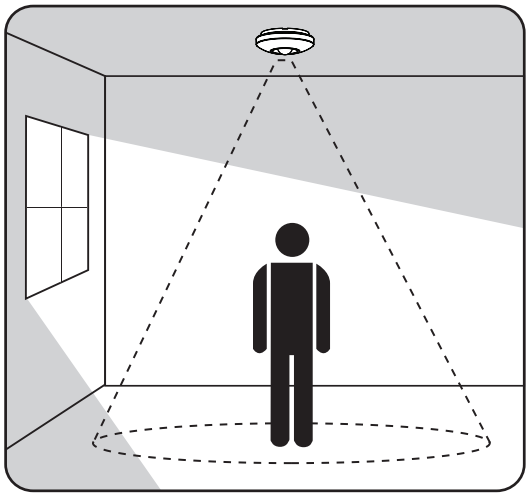
During installation, the sensor surface should be kept from being scratched, which may affect the sensor's sensitivity.

Problems during usage

The following cases are not caused by device's error

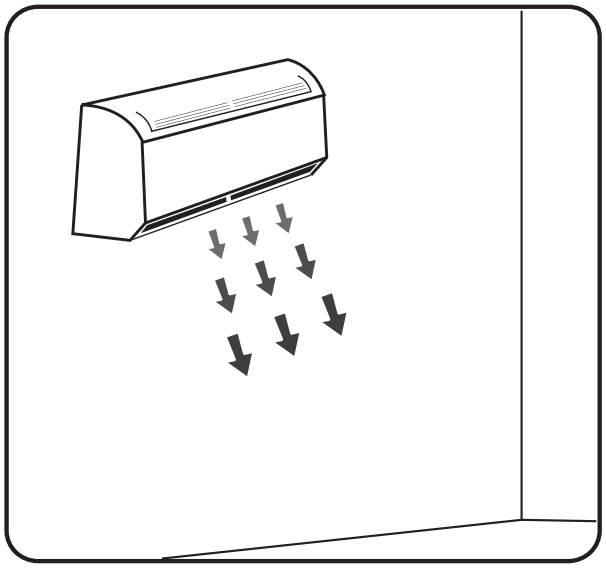


Lights turn off when there is no user's motion in the room.

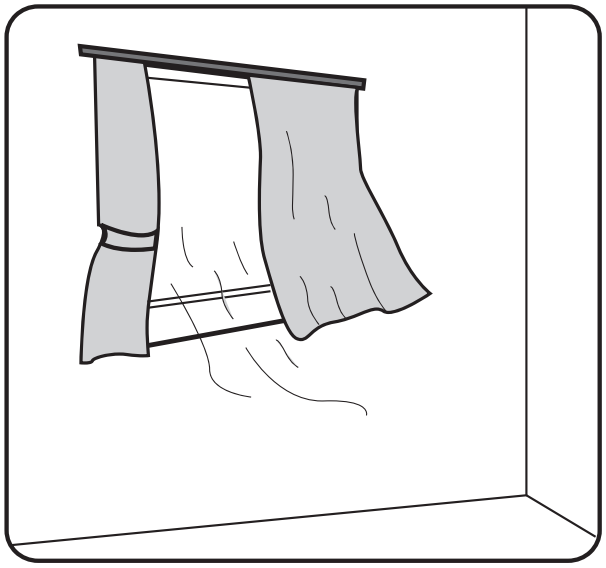


Lights do not turn on when there is enough light in the room.

The following cases are not caused by device's error

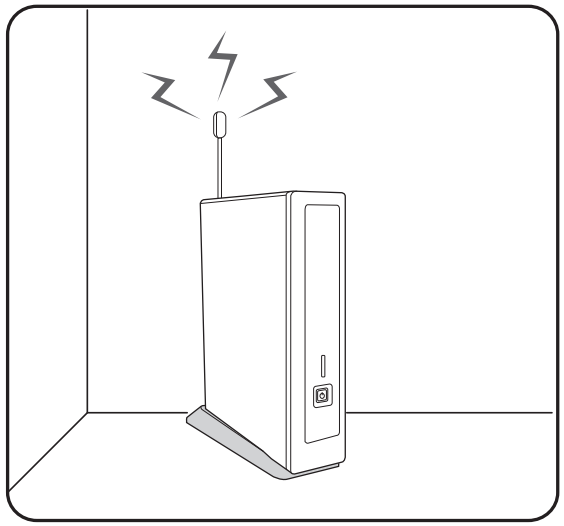


Lights turn on due to the impact of air conditioning or heat sources (cooker, microwave, stove etc.).

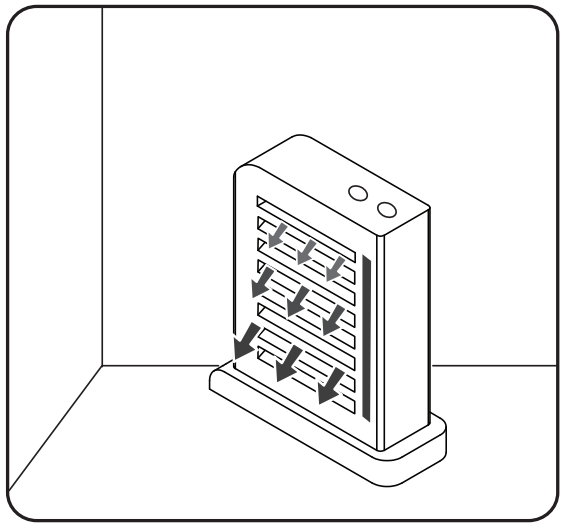


Lights turn on due to moving objects.

The following cases are not caused by device's error



Lights turn on due to nearby powerful transmitting equipment.



Lights turn on due to a nearby steam fan.

Number	Phenomenon	Solution
1	The device does not operate, indicator light does not flash when there is a user in sensor area.	Use switch to turn on and off the light, if the device does not operate please check the power connection. If you cannot solve the problem, please contact Customer Contact Center.
2	The indicator light is on upon detecting user but the light is not on.	Use switch to turn on the light, if the light is not on please check whether the light bulb is broken. If you cannot solve the problem, please contact Customer Contact Center.
3	The lighting device flashes continuously.	Use switch to turn off the light, if you cannot solve the problem, please contact Customer Contact Center.

Number	Phenomenon	Solution
4	The device only operates in the dark.	The device has been installed in environment light mode. To disable this mode, refer to light sensor mode setting (page 11).

Contact Customer Care Center for more details about products.

Customer Care Center: 1900 6632